BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the work of Maintenance of yelahanka satellite town BBMP sub division office building in ward No-04.

Estimate Cost Rs. 800000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	SSM wall		1	9.50	0.75	0.80	5.70		
			1	5.60	0.75	0.80	3.36		
			1	4.30	0.60	0.60	1.55		
			1	11.00	0.75	1.00	8.25		
			1	11.40	0.75	0.80	6.84		
			1	4.10	0.60	0.60	1.48		
	flatform		1	11.50	4.30	0.30	14.84		
	levelling and lowring		1	15.00	15.00	0.30	67.50		
	for culvert		1	8.00	1.50	1.00	12.00		
							121.51	**200.34**	**24343.00**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				**121.51**	**85.65**	**10407.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	4.85							
	Total	**85.65**							
3	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2016-17	Cum							
	SSM wall		1	9.50	0.75	0.10	0.71		
			1	5.60	0.75	0.10	0.42		
			1	4.30	0.60	0.10	0.26		
			1	11.00	0.75	0.10	0.83		
			1	11.40	0.75	0.10	0.86		
			1	4.10	0.60	0.10	0.25		
	flatform		1	11.50	4.30	0.15	7.42		
	flooring bed		1	8.70	2.10	0.15	2.74		
			1	15.00	2.10	0.15	4.73		
			1	11.00	2.40	0.15	3.96		
			1	19.40	1.80	0.15	5.24		
			1	20.00	2.00	0.15	6.00		
			1	4.00	2.10	0.15	1.26		
	culvert		1	8.00	1.20	0.15	1.44		
							36.10	**5348.76**	**193077.00**
	Basic Rate	5046.00							
	Area Weightage @ 6%	302.76							
	Total	**5348.76**							
4	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm							
	SSM wall		1	9.50	0.60	0.45	2.57		
			1	5.60	0.60	0.60	2.02		
			1	4.30	0.60	0.45	1.16		
			1	11.00	0.60	0.60	3.96		
			1	11.40	0.60	0.60	4.10		
			1	4.10	0.60	0.45	1.11		
	Basic Rate	4187.00					**14.91**	4438.22	**66187.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							
5	Providing and laying /fixing cement base. **Precast, pre polished cement concrete designer tiles 25mm thick** conforming to IS 1237 heavy duty tiles for flooring, treds of steps and landing, laid on bed of 12mm thick cement mortal 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting griding the eges to half/full round wherever required. Labour, curing complet as per specification. Page No. 108/ Item No. 14.62 / PWD SR 2016-17	Sqm							
			1	15.00		2.10	31.50		
			1	10.50		2.40	25.20		
			1	8.70		2.10	18.27		
			1	4.00		2.10	8.40		
			1	2.00		2.00	4.00		
							87.37	1150.10	**100484.00**
	Basic Rate	1085.00							
	Area Weightage @ 6%	65.10							
	Total	**1150.10**							
6	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)	Sqm							
			1	9.50		0.45	4.28		
			1	5.60		0.60	3.36		
			1	4.30		0.45	1.94		
			1	11.00		0.60	6.60		
			1	11.40		0.60	6.84		
			1	4.10		0.45	1.85		
							24.86	102.82	**2556.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	Supplying and fixing **M.S Rectangular** poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in cc1;2;4 with 2 nos16 mm dia M,S Hold fasts rods of each length 25 cms, including cost of all materials, cutting,bending scaffolding where ever necessary,nice finishing the welded joints with all lead and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting(excluding the cost of earth work and concrete) (Page No. 255/ Item No. 37.2)	Mtrs							
			20			2.10	**42.00**	868.14	**36462.00**
	Basic Rate	819.00							
	Area Weightage @ 6%	49.14							
	Total	**868.14**							
8	Providing and fixing **M.S Block pipe of 38 mm dia,** of heavy guage of 14 including the removing the bends,cutting the pipe and fixing the pipe inbetween the two verticle polesM S Rectangular pole and spot welding the chain linking with M.S Blockpipe including cost of all materials,wastage in cutting and scaffolding where ever necessary with all lead and liftas per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.4)	Mtrs							
			2	9.50			19.00		
			2	5.60			11.20		
			2	11.40			22.80		
							53.00	343.44	**18202.00**
	Basic Rate	324.00							
	Area Weightage @ 6%	19.44							
	Total	**343.44**							
9	Providing **chain link fencing 50** mmsize of 8 guage properly stretched bet ween the rectangular poles and fixed with suitable bolts and nuts ,the free ends shall be welded to the pole and block pipe at top and bottom as required , including cost of all materials, labour lead and,liftj and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.3)	sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	9.50	1.50		14.25		
			1	5.60	1.50		8.40		
			1	11.40	1.50		17.10		
	Basic Rate	659.00					39.75	698.54	27767.00
	Area Weightage @ 6%	39.54							
	Total	**698.54**							
10	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	for coping		1	9.50	0.60	0.10	0.57		
			1	5.60	0.60	0.10	0.34		
			1	4.30	0.60	0.10	0.26		
			1	11.00	0.60	0.10	0.66		
			1	11.40	0.60	0.10	0.68		
			1	4.10	0.60	0.10	0.25		
	flatform concrete		1	11.50	4.30	0.10	4.95		
	for culvert		1	8.00	1.20	0.23	2.21		
			2	8.00	0.23	0.90	3.31		
	deck		1	8.00	1.20	0.23	2.21		
							15.43	**6371.66**	**98296.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	**Quintal**							
	for RCC culvert 90kg/cum		0.900	**7.73**			6.96		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	5605.00		7.73			6.96	5605.00	38984.00
12	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2016-17	sqm							
	for rcc culvert	1x4	4	8.00		0.90	28.80		
			1	8.00	0.6		4.80		
							33.60	310.58	10435.00
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	310.58							
13	KSRRB 800-1: **painting two coats after filling the surface** with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification MORTH chapter 8, No. 182/ Item No. 24.1/ PWD SR 2016-17	sqm							
	clf		1	110.00		15.00	1650.00		
	kerb		1	10.50		0.40	4.20		
			1	8.30		0.40	3.32		
			1	15.00		0.40	6.00		
			1	8.70		0.40	3.48		
			2	4.00		0.40	3.20		
							1670.20	63.60	106225.00
	Basic Rate	60.00							
	Area Weightage @ 6%	3.60							
	Total	63.60							
14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 28/ Item No. 5.29/ PWD SR 2016-17	Nos	1	135.00			135.00		
							135.00	385.84	52088.40
	Basic Rate	364.00							
	Area Weightage @ 6%	21.84							
	Total	385.84							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum	1	9.50	8.40	0.40	31.92		
			1	7.20	3.00	0.40	8.64		
							40.56	**320.12**	**12984.07**
	Basic Rate	302.00							
	Area Weightage @ 6%	18.12							
	Total	**320.12**							
16	Miscellaneous charges								1503.00
								Total	**800000.00**

(Rupees Eight Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramaraja AE

Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

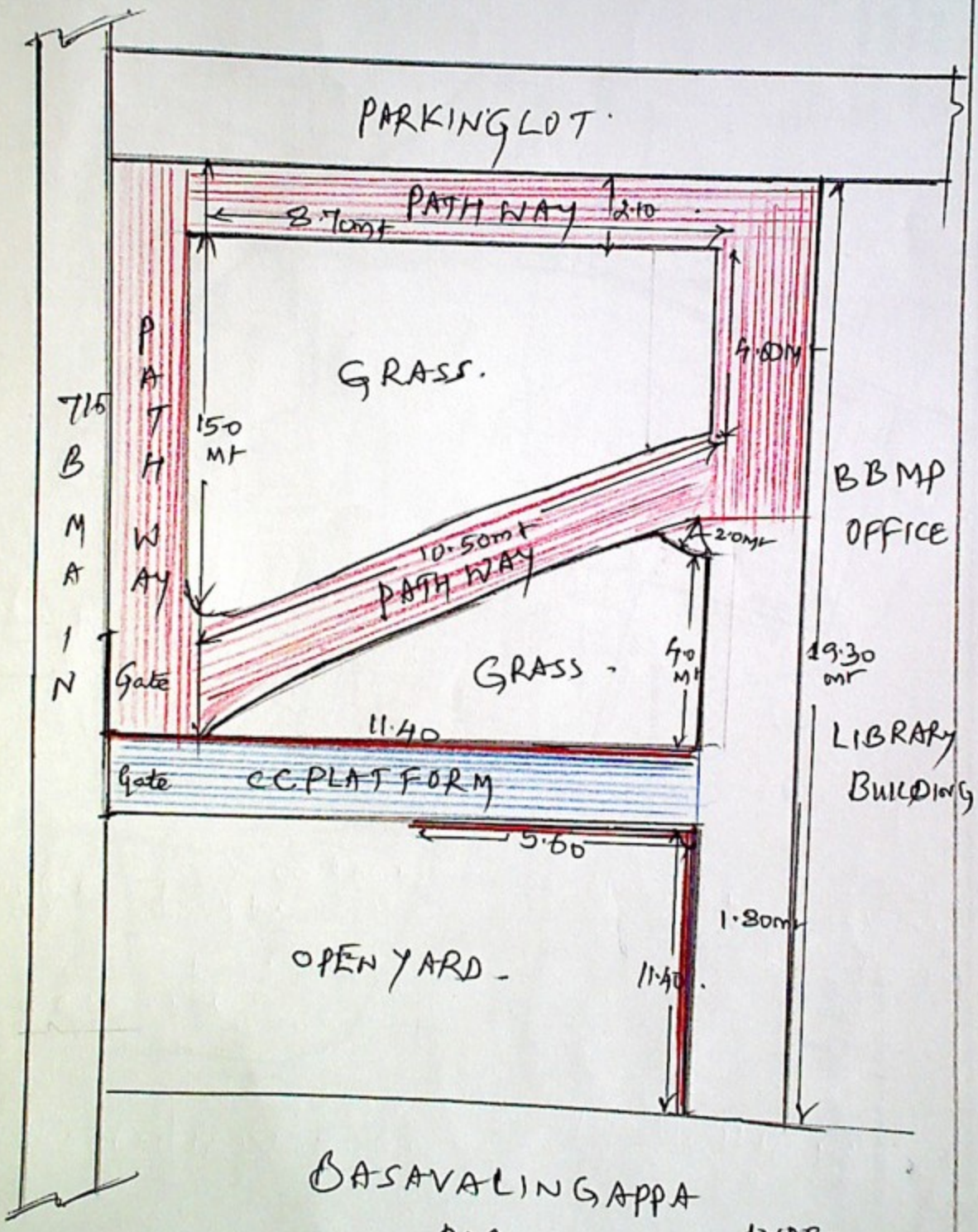
Administrative Sanction for Rs. 8.00 lakhs
Eight lakhs only
is accorded under head P. 1771 - 2016-17
Reg ... CE No. ...
to co ...
No. EE/AA/69/16.17 16-2-17

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs 8.00 lakhs
Rupees Eight lakhs only
Under P. 1771 - 16.17
Registered as CE ( ) No. ...
Subject to conditions contained in enclosed memo EE ( ) No. ... Dt. ...
CE/TS/1071/16.17
Dated 16-2-17 8.00 lakhs

Executive Engineer

NAME OF WORK: MAINTENANCE OF MELAHANKA SATALLITE TOWN BBMP SUB DIVISION OFFICE IN WARD 04



Ramanjaneyulu AR